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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/419,901	10/18/1999	JENNIFER E. VAN EYK	1997-023-04U	2043

26259 7590 07/30/2002

LICATLA & TYRRELL P.C.  
66 E. MAIN STREET  
MARLTON, NJ 08053

EXAMINER

COOK, LISA V

ART UNIT	PAPER NUMBER
----------	--------------

1641

DATE MAILED: 07/30/2002

19

Please find below and/or attached an Office communication concerning this application or proceeding.



UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, DC 20231  
www.uspto.gov

APPLICATION NO. CONTROL NO. 09/419,901	FILING DATE 10/18/99	FIRST NAMED INVENTOR / PATENT IN REEXAMINATION Van Eyk et al.	ATTORNEY DOCKET NO. PTQ-0028
--	-------------------------	---	---------------------------------

EXAMINER

Lisa V. Daniels-Cook

ART UNIT

PAPER

1641

19

DATE MAILED:

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents

The communication filed **18 December 2001** is not fully responsive to the Office communication mailed **28 November 2000** for the reason(s) set forth on the attached Notice To Comply With The Sequence Rules or CRF Diskette Problem Report. Applicant must comply with the requirements of the sequence rules (37 CFR 1.821 - 1.825) before the application can be examined under 35 U.S.C. §§ 131 and 132.

Since the reply appears to be bona fide attempt to comply with the requirements of the sequence rules (37 CFR 1.821 - 1.825), applicant is given a TIME PERIOD of **ONE (1) MONTH** from the mailing date of this communication within which to correct the deficiency so as to comply with the sequence rules (37 CFR 1.821 - 1.825) in order to avoid abandonment of the application under 37 CFR 1.821(g). EXTENSIONS OF THIS TIME PERIOD MAY BE GRANTED UNDER 37 CFR 1.136(a).

Any inquiry concerning this communication should be directed to Examiner **Lisa V. Daniels-Cook**, Art Unit **1641**, whose telephone number is (703) 305-3399.

Any inquiry of a general nature or relating to the status of this application should be directed to the Technology Center receptionist whose telephone number is (703) 308-0196.

*Christopher L. Chin*

CHRISTOPHER L. CHIN  
PRIMARY EXAMINER  
GROUP 1800 1641

*Lisa V. Daniels-Cook*  
7/22/02

<b>Notice to Comply</b>	<b>Application No.</b> 09/419,901	<b>Applicant(s)</b> Van Eyk et al.	
	<b>Examiner</b> Lisa V. Daniels-Cook	<b>Art Unit</b> 1641	

**NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS  
CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE  
DISCLOSURES**

Applicant must file the items indicated below within the time period set the Office action to which the Notice is attached to avoid abandonment under 35 U.S.C. § 133 (extensions of time may be obtained under the provisions of 37 CFR 1.136(a)).

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s):

- ☐ 1. This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to the final rulemaking notice published at 55 FR 18230 (May 1, 1990), and 1114 OG 29 (May 15, 1990). If the effective filing date is on or after July 1, 1998, see the final rulemaking notice published at 63 FR 29620 (June 1, 1998) and 1211 OG 82 (June 23, 1998).
- ☐ 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).
- ☐ 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).
- ☒ 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing."
- ☒ 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. 1.825(d).
- ☐ 6. The paper copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).
- ☐ 7. Other: The paper copy and the computer readable form of the Sequence listing do not comply with the sequence rules.

**Applicant Must Provide:**

- ☒ An initial or substitute computer readable form (CRF) copy of the "Sequence Listing".
- ☒ An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification.
- ☒ A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d).

For questions regarding compliance to these requirements, please contact:

For Rules Interpretation, call (703) 308-4216

For CRF Submission Help, call (703) 308-4212

PatentIn Software Program Support

Technical Assistance.....703-287-0200

To Purchase PatentIn Software.....703-306-2600

**PLEASE RETURN A COPY OF THIS NOTICE WITH YOUR REPLY**

**RAW SEQUENCE LISTING**  
**ERROR REPORT**

TECH CENTER 1600/2900

JAN 18 2002

RECEIVED

BIOTECHNOLOGY  
SYSTEMS  
BRANCH

RECEIVED

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

09/419 901/1641

Source:

OIP E

Date Processed by STIC:

09 18 2001

RECEIVED

NOV 13 2001

TECH CENTER 1600/2900

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER  
VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND  
TRADEMARK OFFICE WEBSITE. SEE BELOW:

RECEIVED

MAY 21 2002

**Checker Version 3.0**

TECH CENTER 1600/2900

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

RECEIVED

MAY 21 2002

TECH CENTER 1600/2000

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 09/419701

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics  
Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino  
Numbering The numbering under each 5<sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0  
"bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s). Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 Skipped Sequences  
(OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:  
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)  
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
This sequence is intentionally skipped  
  
Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 Skipped Sequences  
(NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.  
<210> sequence id number  
<400> sequence id number  
000
- 9 Use of n's or Xaa's  
(NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.  
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.  
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10 Invalid <213>  
Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.  
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.  
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0  
"bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.

OIPE

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/419,901

DATE: 09/18/2001  
 TIME: 16:19:44

Input Set : A:\Ptq-0021.app  
 Output Set: N:\CRF3\09182001\I419901.raw

Does Not Comply  
 Corrected Diskette Needed

3 <110> APPLICANT: Van Eyk, Jennifer E  
 4 Labugger, Ralf  
 5 Neverova, Irena  
 7 <120> TITLE OF INVENTION: Methods of Diagnosing Muscle Damage  
 9 <130> FILE REFERENCE: 1997-023-04U  
 11 <140> CURRENT APPLICATION NUMBER: 09/419,901  
 C--> 12 <141> CURRENT FILING DATE: 2001-08-30  
 14 <160> NUMBER OF SEQ ID NOS: 7  
 16 <170> SOFTWARE: PatentIn Ver. 2.1  
 18 <210> SEQ ID NO: 1  
 19 <211> LENGTH: 12  
 20 <212> TYPE: PRT  
 21 <213> ORGANISM: Rattus sp.  
 23 <220> FEATURE:  
 24 <221> NAME/KEY: UNSURE  
 25 <222> LOCATION: (1)..(2)  
 27 <220> FEATURE:  
 28 <221> NAME/KEY: UNSURE  
 29 <222> LOCATION: (7)  
 30 <223> OTHER INFORMATION: P/A  
 32 <400> SEQUENCE: 1  
 W--> 33 Xaa Xaa Lys Lys Pro Glu Xaa Lys Ala Asp Asp Ala  
 34 1 5 10  
 37 <210> SEQ ID NO: 2  
 38 <211> LENGTH: 12  
 39 <212> TYPE: PRT  
 40 <213> ORGANISM: Rattus sp.  
 42 <220> FEATURE:  
 43 <221> NAME/KEY: UNSURE  
 44 <222> LOCATION: (1)  
 46 <400> SEQUENCE: 2  
 W--> 47 Xaa Pro Ala Pro Ala Ala Pro Ala Ala Pro  
 48 1 5 10  
 51 <210> SEQ ID NO: 3  
 52 <211> LENGTH: 11  
 53 <212> TYPE: PRT  
 54 <213> ORGANISM: Rattus sp.  
 56 <220> FEATURE:  
 57 <221> NAME/KEY: UNSURE  
 58 <222> LOCATION: (1)  
 60 <220> FEATURE:  
 61 <221> NAME/KEY: UNSURE  
 62 <222> LOCATION: (8)  
 64 <400> SEQUENCE: 3  
 W--> 65 Xaa Lys Val Ala Leu Gly Ala Xaa Gly Gly Ile  
 66 1 5 10  
 69 <210> SEQ ID NO: 4

OK

FYI: P or A is the preferred format.  
 Xaa can only represent a single residue. MH

When 221 field response is  
 "UNSURE", you must describe  
 the possible amino acids or modified  
 amino acids in field 223.

Errored

## RAW SEQUENCE LISTING

DATE: 09/18/2001

PATENT APPLICATION: US/09/419,901

TIME: 16:19:44

Input Set : A:\Ptq-0021.app

Output Set: N:\CRF3\09182001\I419901.raw

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70 <211> LENGTH: 13
71 <212> TYPE: PRT
72 <213> ORGANISM: Rattus sp.
74 <220> FEATURE:
75 <221> NAME/KEY: UNSURE
76 <222> LOCATION: (1)..(2)
78 <400> SEQUENCE: 4
W--> 79 Xaa Xaa Leu Lys Asp Ile Thr Arg Arg Leu Lys Ser Ile
      80   1             5             10
83 <210> SEQ ID NO: 5
84 <211> LENGTH: 10
85 <212> TYPE: PRT
86 <213> ORGANISM: Rattus sp.
88 <220> FEATURE:
89 <221> NAME/KEY: UNSURE
90 <222> LOCATION: (1)..(2)
92 <400> SEQUENCE: 5
W--> 93 Xaa Xaa Lys Leu Val Arg Pro Pro Val Gln
      94   1             5             10
97 <210> SEQ ID NO: 6
98 <211> LENGTH: 10
99 <212> TYPE: PRT
100 <213> ORGANISM: Rattus sp.
102 <220> FEATURE:
103 <221> NAME/KEY: UNSURE
104 <222> LOCATION: (1)
106 <400> SEQUENCE: 6
W--> 107 Xaa Ala His Lys Ser Glu Ile Ala His Arg
      108   1             5             10
111 <210> SEQ ID NO: 7
112 <211> LENGTH: 11
113 <212> TYPE: PRT
114 <213> ORGANISM: Rattus sp.
116 <220> FEATURE:
117 <221> NAME/KEY: UNSURE
118 <222> LOCATION: (1)
120 <220> FEATURE:
121 <221> NAME/KEY: UNSURE
122 <222> LOCATION: (4)
123 <223> OTHER INFORMATION: R/L
125 <400> SEQUENCE: 7
W--> 126 Xaa Pro Ser Xaa Lys Phe Phe Val Gly Gly Asn
      127   1             5             10

```

## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/419,901

DATE: 09/18/2001

TIME: 16:19:45

Input Set : A:\Ptq-0021.app

Output Set: N:\CRF3\09182001\I419901.raw

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:33 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:47 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:2  
L:47 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:65 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:3  
L:65 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:79 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:4  
L:79 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4  
L:93 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:5  
L:93 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5  
L:107 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:6  
L:107 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:126 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7



1600 1641

CRF Errors Corrected by the STIC System Branch

Serial Number: 09/419,901A

ENTERED

CRF Processing Date: 1/15/2002

Edited by: [Signature] Verified by: [Signature] (STIC staff)

TECH CENTER 1600/2900

JAN 22 2002

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: \_\_\_\_\_
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other \_\_\_\_\_
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: \_\_\_\_\_
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: \_\_\_\_\_
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: \_\_\_\_\_
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: \_\_\_\_\_
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: \_\_\_\_\_
- ☒ Deleted: ☒ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as \_\_\_\_\_
- ☐ Inserted mandatory headings, specifically: \_\_\_\_\_
- ☐ Corrected an obvious error in the response, specifically: \_\_\_\_\_
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: \_\_\_\_\_
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: \_\_\_\_\_
- ☐ Other: \_\_\_\_\_

\*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

1600

## RAW SEQUENCE LISTING

DATE: 01/15/2002

PATENT APPLICATION: US/09/419,901A

TIME: 20:33:55

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\01152002\I419901A.raw

3 <110> APPLICANT: Van Eyk, Jennifer E  
 4 Labugger, Ralf  
 5 Neverova, Irena  
 7 <120> TITLE OF INVENTION: Methods of Diagnosing Muscle Damage  
 9 <130> FILE REFERENCE: 1997-023-04U  
 11 <140> CURRENT APPLICATION NUMBER: 09/419,901A  
 12 <141> CURRENT FILING DATE: 1999-10-18  
 14 <160> NUMBER OF SEQ ID NOS: 7  
 16 <170> SOFTWARE: PatentIn Ver. 2.1  
 18 <210> SEQ ID NO: 1  
 19 <211> LENGTH: 12  
 20 <212> TYPE: PRT  
 21 <213> ORGANISM: Rattus sp.  
 23 <220> FEATURE:  
 24 <221> NAME/KEY: UNSURE  
 25 <222> LOCATION: (1)..(2)  
 26 <223> OTHER INFORMATION: any amino acid  
 28 <220> FEATURE:  
 29 <221> NAME/KEY: UNSURE  
 30 <222> LOCATION: (7)  
 31 <223> OTHER INFORMATION: P or A  
 33 <400> SEQUENCE: 1  
 34 Xaa Xaa Lys Lys Pro Glu Xaa Lys Ala Asp Asp Ala  
 35 1 5 10  
 38 <210> SEQ ID NO: 2  
 39 <211> LENGTH: 12  
 40 <212> TYPE: PRT  
 41 <213> ORGANISM: Rattus sp.  
 43 <220> FEATURE:  
 44 <221> NAME/KEY: UNSURE  
 45 <222> LOCATION: (1)  
 46 <223> OTHER INFORMATION: any amino acid  
 48 <400> SEQUENCE: 2  
 49 Xaa Pro Ala Pro Ala Ala Ala Pro Ala Ala Pro  
 50 1 5 10  
 53 <210> SEQ ID NO: 3  
 54 <211> LENGTH: 11  
 55 <212> TYPE: PRT  
 56 <213> ORGANISM: Rattus sp.  
 58 <220> FEATURE:  
 59 <221> NAME/KEY: UNSURE  
 60 <222> LOCATION: (1)  
 61 <223> OTHER INFORMATION: any amino acid  
 63 <220> FEATURE:  
 64 <221> NAME/KEY: UNSURE  
 65 <222> LOCATION: (8)  
 66 <223> OTHER INFORMATION: any amino acid

## RAW SEQUENCE LISTING

DATE: 01/15/2002

PATENT APPLICATION: US/09/419,901A

TIME: 20:33:55

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\01152002\I419901A.raw

OK 68 <400> SEQUENCE: 3  
 W- 69 Xaa Lys Val Ala Leu Gly Ala Xaa Gly Gly Ile  
 70 1 5 10  
 73 <210> SEQ ID NO: 4  
 74 <211> LENGTH: 13  
 75 <212> TYPE: PRT  
 76 <213> ORGANISM: Rattus sp.  
 78 <220> FEATURE:  
 79 <221> NAME/KEY: UNSURE  
 80 <222> LOCATION: (1)..(2)  
 81 <223> OTHER INFORMATION: any amino acid  
 83 <400> SEQUENCE: 4  
 OK 84 Xaa Xaa Leu Lys Asp Ile Thr Arg Arg Leu Lys Ser Ile  
 85 1 5 10  
 88 <210> SEQ ID NO: 5  
 89 <211> LENGTH: 10  
 90 <212> TYPE: PRT  
 91 <213> ORGANISM: Rattus sp.  
 93 <220> FEATURE:  
 94 <221> NAME/KEY: UNSURE  
 95 <222> LOCATION: (1)..(2)  
 96 <223> OTHER INFORMATION: any amino acid  
 98 <400> SEQUENCE: 5  
 OK 99 Xaa Xaa Lys Leu Val Arg Pro Pro Val Gln  
 100 1 5 10  
 103 <210> SEQ ID NO: 6  
 104 <211> LENGTH: 10  
 105 <212> TYPE: PRT  
 106 <213> ORGANISM: Rattus sp.  
 108 <220> FEATURE:  
 109 <221> NAME/KEY: UNSURE  
 110 <222> LOCATION: (1)  
 111 <223> OTHER INFORMATION: any amino acid  
 113 <400> SEQUENCE: 6  
 W- 114 Xaa Ala His Lys Ser Glu Ile Ala His Arg  
 115 1 5 10  
 118 <210> SEQ ID NO: 7  
 119 <211> LENGTH: 11  
 120 <212> TYPE: PRT  
 121 <213> ORGANISM: Rattus sp.  
 123 <220> FEATURE:  
 124 <221> NAME/KEY: UNSURE  
 125 <222> LOCATION: (1)  
 126 <223> OTHER INFORMATION: any amino acid  
 128 <220> FEATURE:  
 129 <221> NAME/KEY: UNSURE  
 130 <222> LOCATION: (4)  
 131 <223> OTHER INFORMATION: R or L  
 133 <400> SEQUENCE: 7

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/419,901A

DATE: 01/15/2002

TIME: 20:33:55

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\01152002\I419901A.raw

①→ 134 Xaa Pro Ser Xaa Lys Phe Phe Val Gly Gly Asn  
 135 1 5 10

## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/419,901A

DATE: 01/15/2002

TIME: 20:33:56

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\01152002\I419901A.raw

L:34 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:49 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:69 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:84 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4  
L:99 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5  
L:114 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:134 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7

1600

## RAW SEQUENCE LISTING

DATE: 01/09/2002

PATENT APPLICATION: US/09/419,901A

TIME: 14:01:55

Input Set : A:\PTQ-0028.txt

Output Set: N:\CRF3\01082002\I419901A.raw

**Does Not Comply**  
**Corrected Diskette Needed**

3 <110> APPLICANT: Van Eyk, Jennifer E  
 4       Labugger, Ralf  
 5       Neverova, Irena  
 7 <120> TITLE OF INVENTION: Methods of Diagnosing Muscle Damage  
 9 <130> FILE REFERENCE: 1997-023-04U  
 11 <140> CURRENT APPLICATION NUMBER: 09/419,901A  
 12 <141> CURRENT FILING DATE: 1999-10-18  
 14 <160> NUMBER OF SEQ ID NOS: 7  
 16 <170> SOFTWARE: PatentIn Ver. 2.1

## ERRORED SEQUENCES

118 <210> SEQ ID NO: 7  
 119 <211> LENGTH: 11  
 120 <212> TYPE: PRT  
 121 <213> ORGANISM: Rattus sp.  
 123 <220> FEATURE:  
 124 <221> NAME/KEY: UNSURE  
 125 <222> LOCATION: (1)  
 126 <223> OTHER INFORMATION: any amino acid  
 128 <220> FEATURE:  
 129 <221> NAME/KEY: UNSURE  
 130 <222> LOCATION: (4)  
 131 <223> OTHER INFORMATION: R or L  
 133 <400> SEQUENCE: 7

WOK 134 Xaa Pro Ser Xaa Lys Phe Phe Val Gly Gly Asn

135           1                               5                               10

E--> 137 (1)

E--> 140 (1)

## VERIFICATION SUMMARY

DATE: 01/09/2002

PATENT APPLICATION: US/09/419,901A

TIME: 14:01:56

Input Set : A:\PTQ-0028.txt

Output Set: N:\CRF3\01082002\I419901A.raw

L:34 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:49 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2  
L:69 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3  
L:84 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4  
L:99 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5  
L:114 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:134 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7  
L:137 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:7  
M:332 Repeated in SeqNo=7